



*International Civil Aviation Organization*

**AIDC Review Task Force Meeting**

Brisbane, Australia, 27-28 March 2003

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**Agenda Item 1: Review Asia/Pacific Regional Interface Control Document for ATS Inter-facility Ground/Ground Data Communications (AIDC)**

**TERMS OF REFERENCE AND TASK OF  
THE AIDC REVIEW TASK FORCE**

**SUMMARY**

This paper presents the Terms of Reference and task of the AIDC Review Task Force and background information for review.

(Presented by the Secretariat)

**1. Introduction**

1.1 The Thirteenth Meeting of APANPIRG held in Bangkok from 9 to 13 September 2002 made the following Decision:

**Decision 13/9 – AIDC Review Task Force**

That, the Task Force established by Decision 5/1 of APANPIRG for the development Interface Control Document (ICD) for ATS Inter-facility Data Communication (AIDC) be reconvened to undertake the task of reviewing and updating the ICD. The task be completed prior to the ATS/AIS/SAR SG/13 meeting in order to permit the Sub Group to review the ICD.

**2. Discussion**

2.1 APANPIRG/13 noted that several States had attempted to use AIDC to implement automatic communication between ATC automation systems. Difficulties have been experienced as adjacent FIRs have connected their systems together (e.g. New Zealand-Australia) resulting in ad-hoc agreements about being made about how adjacent systems should communicate via AIDC. Several lessons have been learned and several deficiencies in the AIDC standard exposed. It was considered appropriate that **the deficiencies and ambiguities in the existing document be corrected** so that States may implement new systems with consistency, confidence and certainty. Therefore, the meeting recognized the need **to convene the meeting of the Task Force to re-examine the AIDC Interface Control Document, with the objective of removing errors and correcting omissions and uncertainties.**

### **3. Background**

3.1 The Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG), at its fourth meeting (Canberra, March 1994), initiated the task of developing the inter-facility message exchanges needed to support automation of ATS Inter-facility Data Exchange. It was recognized that Asia/Pacific Region had a great need for a data interchange infrastructure that would significantly reduce the need for verbal co-ordination between Oceanic Area Control Centres and/or Area Control Centres. The AIDC standards to be developed in an ICD were to provide the means by which data interchange between ATS units providing air traffic service in, and adjacent to, the Asia/Pacific Region is harmonized during the notification, co-ordination and transfer of control phases of operation.

3.2 The Fifth Meeting of APANPIRG (APANPIRG/5) held in Bangkok 24-28 October 1994 noted a draft Asia/Pacific Regional Interface Control Document (ICD) for Ground/Ground ATS Inter-facility Data Communications (AIDC) which had been developed based on the work undertaken by the North Atlantic Systems Planning Group (NATSPG) and Automatic Dependent Surveillance (ADS) Panel and had been reviewed by the Second AFTN Management Task Force, the Fourth ATS/AIS/SAR Sub-Group, the Third COM/MET Sub-Group and the First CNS/ATM/IC/SG meetings. Taking into account the respective parts of the reports of each Sub Group meetings including their draft decisions/conclusions, the APANPIRG/5 decided to establish a AIDC task force in its Decision 5/1. The Decision together the Terms of Reference of the Task Force are provided in the attachment of this paper for reference.

3.3 The AIDC Task Force established by Fifth Meeting of APANPIRG (APANPIRG/5) was composed of technical and operational experts from Australia, France, Japan, Malaysia, New Zealand, Pakistan, Singapore, Thailand, Hong Kong China, United States and IATA with rapporteur from Australia.

3.4 As result of the AIDC Task Force, the ASIA/PACIFIC REGIONAL INTERFACE CONTROL DOCUMENT (ICD) FOR ATS INTER-FACILITY GROUND/GROUND DATA COMMUNICATIONS (AIDC) Version 1.0 was issued in 1 June 1995 and neither new version nor amendment have been issued since then.

3.5 It should be noted that the Task Force is required to present **its results of review to APANPIRG ATS/AIS/SAR/SG/13 meeting to be held in 19-23 May 2003.**

### **4. Action by the Meeting**

4.1 The meeting is invited to note the background information, requirement and task of the AIDC Review Task Force.

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**Decision 5/1 – Development of an ATS inter-facility Data Communications Interface Control Document**

That,

- a) an ATS Inter-facility Data Communications (AIDC) Interface Control Document (ICD) be developed for the exchange of data in the Asia/Pacific Regions;
- b) a Task Force be established for the Regional AIDC ICD development and be composed of members with the necessary expertise as well as those who will be concerned with its implementation and operation;
- c) the Task Force use the draft developed by the ICAO Asia/Pacific Regional Office and edited by the various Sub-Groups as the basis of the document development;
- d) the Task Force meet before the end of January 1995 to further develop the initial draft AIDC ICD for endorsement by States in the Asia/Pacific Region, to be available for use in early 1995;
- e) the Task Force Terms of Reference will be as outlined in Appendix B to Agenda Item 2.1; and
- f) the Task Force under ICAO auspices, should be composed of technical experts from Australia, France, Japan, Malaysia, New Zealand, Pakistan, Singapore, Thailand, United Kingdom (Hong Kong), and United States. Additional representation would be provided by IATA.

**Note:** Australia advised that they were willing to host the Task Force meeting in Canberra during the week commencing 9 January 1995. This offer was gratefully accepted by the meeting, which then agreed that Australia should provide a rapporteur for the meeting.

**TERMS OF REFERENCE**  
**AIR TRAFFIC SERVICES INTER-FACILITY DATA COMMUNICATIONS**  
**(AIDC) DOCUMENT TASK FORCE**

1. The task of the ATS Inter-facility Data Communications (AIDC) Task Force is to prepare an Interface Control Document (ICD) for the Asia/Pacific Region to ensure that the automated data interchange between units providing air traffic management (ATM) in the Asia/Pacific Region is harmonized to a common base standard and to permit the evolutionary development, co-ordination and implementation through the APANPIRG.

2. In undertaking this task, the Task Force will give consideration, among other matters, to the following:

- a) The Draft AIDC ICD as presented in WP/3 to the CNS/ATM/IC/SG/1 meeting;
- b) Draft Decision 4/2 of the ATS/AIS/SG/4, Draft Conclusion 3/6 of the COM/MET/SG/3 and Draft Decision 1/5 of the CNS/ATM/IC/SG/1;
- c) The work of the ADS Panel, ISPACG, RTCA, EUROCAE, NATSPG, ISPACG and IPACG, and other related groups, as pertaining to the AIDC ICD; and
- d) Appropriate document configuration control.

3. The AIDC Task Force will tentatively meet the week of 9 January 1995 and is to provide its recommendations to the ICAO Asia/Pacific Regional Office by the end of February 1995. The draft AIDC ICD will be referred to APANPIRG members prior to APANPIRG/6 and if endorsed could be circulated by the ICAO Regional Office to States in the Region for their agreement.

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